

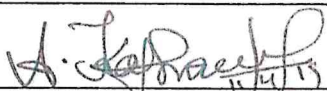


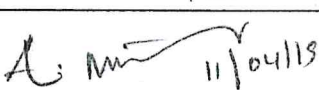
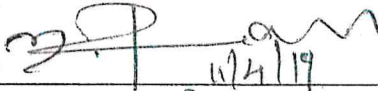

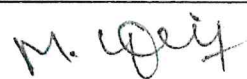
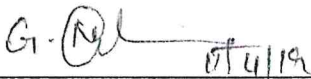
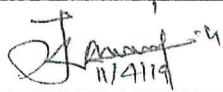


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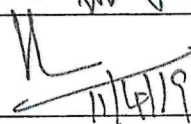
DEPARTMENT OF CHEMISTRY

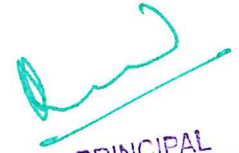
The Board of Studies for B.Sc., & M.Sc., Chemistry was held on 11.04.2019 at 10.00 AM in the Department of Chemistry, K.S.Rangasamay College of Arts and Science (Autonomous), Tiruchengode to approve the syllabus with effect from the academic year 2019 – 20.

MEMBERS PRESENT

S.No	Name and Designation	Signature
1.	Dr. A. Kathirvel Chairman – BoS	
2.	Dr. P. Viswanathamurthi Member – Nominated by Vice Chancellor	
3.	Dr. K. Balasubramani Member – Nominated by Academic Council	
4.	Dr. A. Muthusamy Member – Nominated by Academic Council	
5.	S. Jayamurugan Alumni Member – Nominated by Principal	Absent
6.	A.S. Pushpanathan Member Representing Industry–Nominated by Principal	Absent
7.	Mr. M. Ravikumar Member - Department of Chemistry	
8.	Ms. A. Subhashri Member - Department of Chemistry	
9.	Ms. M. Gayathri Member - Department of Chemistry	
10.	Ms. G. Nikitha Member - Department of Chemistry	
11.	Mr. G. Karthi Member - Department of Chemistry	
12.	Ms. S. Kalaipriya Member - Department of Chemistry	
13.	Mr.S. Padma Co-opted Member – Nominated by Principal	


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14.	Mr. S. Jagadeesan Co-opted Member – Nominated by Principal	 11/4/19
15.	Dr. G. Suresh Kumar Co-opted Member – Nominated by Principal	 11/4/19
16.	Dr. M. Venkatesh Co-opted Member – Nominated by Principal	 11/4/19


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2019-20
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TIRUCHENGODE - 637 215.

DEPARTMENT OF CHEMISTRY

S.No	Name	Position	Nominated by
1.	Dr. A. Kathirvel Assistant Professor & Head Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Chairman	Principal
2.	Department Faculty: Mr. M. Ravikumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. A. Subhashri Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. M. Gayathri Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. G. Nikitha Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Mr. G. Karthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Members	Principal

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	Ms. S. Kalaipriya Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215		
3	Dr. A. Muthusamy Assistant Professor of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	Members	Academic Council
	Dr. K. Balasubramani Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur- 639 005		
4.	Dr. P. Viswanathamurthi Professor of Chemistry School of Physical Sciences Periyar University Salem - 636 011	Member	Vice Chancellor
5.	A.S. Pushpanathan Head (Water treatment plant) Mahindra Water Utilities Ltd Indra Nagar Erode - 638 381	Member Representing Industry	Academic Council
6.	S. Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem - 636403	Member Meritorious Alumnus	Principal
7.	Mr.S. Padma Assistant Professor & Head Department of Computer Applications K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Co-opted Members	Principal
	Mr. S. Jagadeesan Assistant Professor & Head Department of Mathematics K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215		

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Dr. G. Suresh Kumar Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted Members	Principal
Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215		


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Department of Chemistry

BOS (2019-2020)


Suggestions and Revisions:

The following were the revisions made in B.Sc Chemistry for the Second Year (2019-2020) Syllabus.

Semester	Subject Name	Modifications
III	Core V : General Chemistry III	<ul style="list-style-type: none">✓ Comparative study of alkali metals with respect to oxides, hydroxides, halides and carbonates has been included to Unit I✓ Comparative studies of SN1 and SN2 reactions have been included in Unit II✓ Phenols topic is shifted to Unit II✓ Aldehydes and ketones are removed and included in semester IV✓ 30% of the syllabus has been changed
III	NMEC I : Applied Chemistry I	<ul style="list-style-type: none">✓ Leather chemistry and diary chemistry has been included instead of chemical hazards✓ Soil chemistry has been shifted to Unit IV✓ 40% of the syllabus has been changed
III	Add-on course: Water quality analysis and treatment	<ul style="list-style-type: none">✓ Diploma courses from semester III and semester IV were merged as add-on course✓ 20% of the syllabus has been changed
IV	Add-on course: Chemistry of Milk and Milk Products	<ul style="list-style-type: none">✓ New subject has been introduced in order to fulfill the industry requirements✓ 100% of the syllabus has been changed
IV	Advanced Learners Course - Chemistry in Daily life	<ul style="list-style-type: none">✓ New subject has been introduced in order to fulfill the industry requirements✓ 100% of the syllabus has been changed


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IV	Advanced Learners Course Chemistry In Context"	<ul style="list-style-type: none">✓ New subject has been introduced in order to fulfill the industry requirements✓ 100% of the syllabus has been changed
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Dr.A.KATHIRVEL
Chairman - BOS

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Department of Chemistry - BOS (2019-2020)


Percentage of syllabus revision

The following are the Percentage of syllabus revision in B.Sc Chemistry for the Second Year (2019-2020) Syllabus.

Subject Name and Code	Modifications	% of Change
General Chemistry III 18UCHM301	<ul style="list-style-type: none">✓ Comparative study of alkali metals with respect to oxides, hydroxides, halides and carbonates has been included to Unit I✓ Comparative studies of SN1 and SN2 reactions have been included in Unit II✓ Phenols topic is shifted to Unit II Aldehydes and ketones are removed and included in semester IV✓ 30% of the syllabus has been changed	30%
Applied Chemistry I 18UCHNM301	<ul style="list-style-type: none">✓ Leather chemistry and diary chemistry has been included instead of chemical hazards✓ Solid chemistry has been shifted to Unit IV✓ 40% of the syllabus has been changed	40%
Water quality analysis and Treatment - 18UCHAC301	<ul style="list-style-type: none">✓ Diploma courses from semester III and semester IV were merged as add-on course 20% of the syllabus has been changed	20%
Chemistry of Milk and Milk Products - 18UCHAC401	<ul style="list-style-type: none">✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements✓ 100% of the syllabus has been changed	100%
Advanced Learners Course 21UCHAL401	<ul style="list-style-type: none">✓ New subject has been introduced in order to know the practical aspects of chemistry✓ 100% of the syllabus has been changed	100%
Advanced Learners Course 21UCHAL402	<ul style="list-style-type: none">✓ New subject has been introduced in order to develop analytical skills✓ 100% of the syllabus has been changed	100%

Total Percentage of syllabus revision carried out in Second Year is 39%.


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Chairman - BOS


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Highlights of Syllabus Revision- BOS (2019-2020)

The following are the highlights of syllabus revision in B.Sc Chemistry for the Second Year (2019-2020) Syllabus.

- The objective of the programme is to prepare the students to meet out the domestic and global development needs and accordingly content of the courses are been formulated.
- Based on the suggestions given by the BOS members, Employability course like Water quality analysis and Treatment and Entrepreneurship course Chemistry of Milk and Milk Products, were included in syllabus.
- For improving credits of advanced learners the courses "Chemistry in Daily life" and "Chemistry In Context" have been offered in the fourth Semester.
- SBC courses have been offered in the third and fourth semester to develop the student's skills.
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.


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